

U.S. Patent Application No. 09/614,524
Reply to Office Action dated January 18, 2006

PATENT
450100-02614

IN THE CLAIMS

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This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1-15. (Canceled)

16. (Currently Amended) A recording method comprising:
receiving audio/video data to be written to a recording medium;
encoding said audio/video data using a given encoding method,

wherein said given encoding method is in accordance with a timing signal supplied from a timing controller that sends encoded audio/video data to a multiplexer;

receiving a decoding program, wherein said decoding program is configured in a reverse process from said given encoding method such that said decoding program is capable of decoding said encoded audio/video data,

wherein a program data generator is provided to generate said decoding program which is used by a DSP in accordance with the timing signal supplied from the timing controller; and

writing both said encoded audio/video data and said decoding program onto said recording medium,

wherein a tape writing unit has loaded therein said recording medium and writes said audio/video data supplied to said multiplexer to said recording medium.

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17. (Previously Presented) The recording method of claim 16, wherein said writing both said audio/video data and said decoding program includes writing said audio/video data and said decoding program onto oblique recording tracks.

18. (Previously Presented) The recording method of claim 16, further comprising writing said decoding program to storage means coupled to said recording medium.

19. (Currently Amended) A recording method comprising:
receiving audio/video data to be written to a recording medium;
encoding said audio/video data using a given encoding method,
wherein said given encoding method is in accordance with a timing signal supplied from a timing controller that sends encoded audio/video data to a multiplexer;
receiving a decoding program, wherein said decoding program is configured in a reverse process from said given encoding method such that said decoding program is capable of decoding said encoded audio/video data,
wherein a program data generator is provided to generate said decoding program which is used by a DSP in accordance with the timing signal supplied from the timing controller;
writing said audio/video data onto said recording medium; and

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writing said decoding program to storage means coupled to said recording medium,

wherein a tape writing unit has loaded therein said recording medium and writes said audio/video data supplied to said multiplexer to said recording medium.

20. (Currently Amended) A recording apparatus comprising:

first receiving means for receiving audio/video data to be written to a recording medium;

encoding means for encoding said audio/video data using a given encoding method,

wherein said given encoding method is in accordance with a timing signal supplied from a timing controller that sends encoded audio/video data to a multiplexer;

second means for receiving a decoding program, wherein said decoding program is configured in a reverse process from said given encoding method such that said decoding program is capable of decoding said encoded audio/video data,

wherein a program data generator is provided to generate said decoding program which is used by a DSP in accordance with the timing signal supplied from the timing controller; and

writing means for writing both said audio/video data and said decoding program onto said recording medium,

wherein a tape writing unit has loaded therein said recording medium and writes said audio/video data supplied to said multiplexer to said recording medium.

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21. (Currently Amended) A reproducing method comprising:
reading audio/video data written on a recording medium, wherein said
audio/video data was encoded using a given encoding method,
wherein said given encoding method is in accordance with a timing signal
supplied from a timing controller that sends encoded audio/video data to a multiplexer;
reading a decoding program written on said recording medium, wherein said
decoding program is configured in a reverse process from said given encoding method such that
said decoding program is capable of decoding said encoded audio/video data,
wherein a program data generator is provided to generate said decoding
program which is used by a DSP in accordance with the timing signal supplied from the timing
controller; and
decoding said audio/video data using said decoding program.

22. (Currently Amended) A recording/reproducing method comprising:
receiving audio/video data to be written to a recording medium;
encoding said audio/video data using a given encoding method,
wherein said given encoding method is in accordance with a timing signal
supplied from a timing controller that sends encoded audio/video data to a multiplexer;
receiving a decoding program, wherein said decoding program is configured in a
reverse process from said given encoding method such that said decoding program is capable of
decoding said encoded audio/video data.

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wherein a program data generator is proved to generate said decoding program which is used by a DSP in accordance with the timing signal supplied from the timing controller;

writing both said audio/video data and said decoding program onto said recording medium,

wherein a tape writing unit has loaded therein said recording medium and writes said audio/video data supplied to said multiplexer to said recording medium;

reading said audio/video data written on said recording medium;

reading said decoding program written on said recording medium; and

decoding said audio/video data using said decoding program.

23. (Currently Amended) A recording/reproducing method comprising:

receiving audio/video data to be written to a recording medium;

encoding said audio/video data using a given encoding method,

wherein said given encoding method is in accordance with a timing signal supplied from a timing controller that sends encoded audio/video data to a multiplexer;

receiving a decoding program, wherein said decoding program is configured in a reverse process from said given encoding method such that said decoding program is capable of decoding said encoded audio/video data,

wherein a program data generator is proved to generate said decoding program which is used by a DSP in accordance with the timing signal supplied from the timing controller;

writing said audio/video data onto said recording medium;

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writing said decoding program to storage means coupled to said recording medium,
wherein a tape writing unit has loaded therein said recording medium and writes said audio/video data supplied to said multiplexer to said recording medium;
reading said audio/video data written on said recording medium;
reading said decoding program written on said storage means coupled to said recording medium; and
decoding said audio/video data using said decoding program.

24. (Currently Amended) A recording/reproducing apparatus comprising:
first receiving means for receiving audio/video data to be written to a recording medium;
encoding means for encoding said audio/video data using a given encoding method,

wherein said given encoding method is in accordance with a timing signal supplied from a timing controller that sends encoded audio/video data to a multiplexer;

second receiving means for receiving a decoding program, wherein said decoding program is configured in a reverse process from said given encoding method such that said decoding program is capable of decoding said encoded audio/video data,

wherein a program data generator is provided to generate said decoding program which is used by a DSP in accordance with the timing signal supplied from the timing controller;

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writing means for writing both said audio/video data and said decoding program
onto said recording medium,

wherein a tape writing unit has loaded therein said recording medium and
writes said audio/video data supplied to said multiplexer to said recording medium;

first reading means for reading said audio/video data written on said recording
medium;

second reading means for reading said decoding program written on said
recording medium; and

decoding means for decoding said audio/video data using said decoding program.

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